

SHEET NOTES:

1. ENTIRE INTERSECTION IS TO BE RE-WIRED FOR TRAFFIC SIGNALS. R/C EX TS WIRES AND F/I NEW WIRES AS NOTED.
2. MOST EX TRAFFIC SIGNAL CONDUITS ARE NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTING CONDUIT ROUTING.
3. FOR EX CONDUITS CONTAINING ONLY TRAFFIC SIGNAL WIRES, CUT CONDUIT FLUSH TO PULL BOX WALL AND CAP END(S) AND ABANDON CONDUIT IN PLACE, UON.
4. FOR EX CONDUITS CONTAINING TRAFFIC SIGNAL WIRES AND CABLES OR OTHER NON-TRAFFIC SIGNAL WIRES, SUCH AS 12/C CABLE, STREET LIGHT WIRES, OR MUNI WIRES, ETC., R/C EX TRAFFIC SIGNAL WIRES ONLY, UON.
5. DO NOT TRENCH IN CURB RETURN AREA UNLESS R-DWGS CALL FOR CONSTRUCTING NEW CURB RAMPS. TUNNEL UNDERNEATH CURB RETURN AREA AS REQUIRED. PROTECT EXISTING CURB RAMP(S) IF PRESENT.
6. CAREFULLY CUT CONDUIT TO RE-USE 12/C FROM NORTH.

DETAIL NOTES:

- ⬠ EX CONDUIT AND WIRING. R/C EX WIRING.
- ⬠ EX CONDUIT AND WIRING. R/C EX WIRING. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP END(S). ABANDON CONDUIT IN PLACE.
- ⬠ CHIP FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.
- ⬠ R/C EX PULL BOX. R/C WIRING. CUT CONDUIT TO 12" DEPTH. REPAIR SIDEWALK TO MATCH EX.
- ⬠ ABANDON PULL BOX. CUT CONDUIT FLUSH TO PULL BOX WALL, CAP END(S). R/C EX TRAFFIC SIGNAL WIRING.
- ⬠ VEHICLE SIGNAL(S) SHALL USE EX EXTERNAL CONDUIT ABOVE CONDUIT. COUPLE NEW CONDUIT TO EXISTING.
- ⬠ F/I IN-LINE FUSE HOLDER WITH 40A FUSE FOR IC SERVICE.
- ⬠ EXTEND IC SERVICE WIRES TO NEW IC LOCATION TO MAINTAIN SERVICE TO CONTROLLER.

PW LIST ITEMS

PAGE 1: INSTALLED WITH BP & TV-1-T
 POLES: " WITH BP
 POLES: " WITH BP & TV-1-T
 POLES: " WITH BP

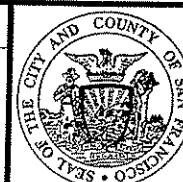
PER SIGNALS ACTIVATION ON 8-10-06 AT 11:55AM
 ATTENDED BY: ED, TIM WONG, PHUONG NGUYEN, AND WEI ZHANG

NOTE:
 THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTED SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND SIGN-OFF. FOR THOSE SIGNATURES, SEE THE DRAWING PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES ONLY AS CLEARLY MARKED ON THIS DRAWING AND ISSUED UNDER THIS LATEST REVISION NUMBER AS SHOWN IN THE TABLE OF REVISIONS LOCATED AT THE LOWER LEFT CORNER OF THE DRAWING. ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS. CHECK ALL ISSUED REVISIONS OF THIS DRAWING.

NO.	DATE	DESCRIPTION	BY	APP.
1	6/1/06	pco1, replace poles 1,3,5,7 with new (+signals)	gd	bc

TABLE OF REVISIONS
 CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

REFERENCE INFORMATION
 & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 DEPARTMENT OF PUBLIC WORKS
 CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE:	APPROVED
TP 10/05	SECTION MANAGER DATE:
DRAWN: DATE:	DEPUTY BUREAU MANAGER DATE:
TP 10/05	CITY ENGINEER DATE:
CHECKED: DATE:	
BC 10/05	

SCALE:
1" = 10 feet
SHEET OF SHEETS
36 OF 71

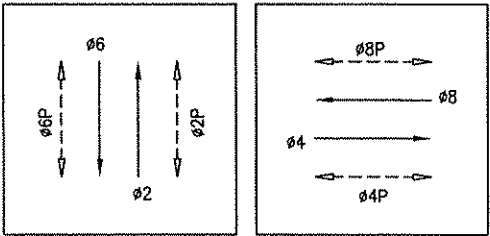
CONTRACT 31
 TRAFFIC SIGNAL MODIFICATIONS
 25TH ST & GUERRERO ST

SPECIFICATION NO.	0872J
DRAWING NO.	E-11.1
FILE NO.	86,439
REV. NO.	

OCTOBER 2005

POLE AND EQUIPMENT SCHEDULE											CONTRACT WORK IN BOLD
POLE No.	TYPE OF POLE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS	
		No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING		
①	1-A (10')	21	3S8"	TV-1	T		28 89	1S-COUNT 1S-COUNT	SP-1 (22") SP-1-SF (12")		
②	EX 1-A (10')	EX 42	EX 3S8"	EX MODIFIED SV-1-T						EXTERNAL CONDUIT SEE ②	
③	1-A (10')	41 62	3S8" 3S8"	TV-2-T-SF	T T		29 48	1S-COUNT 1S-COUNT	SP-1-SF (12") SP-1 (22")		
④	EX 1-A (10')	EX 63	EX 3S8"								
⑤	1-A (10')	61	3S8"	TV-1	T		68 49	1S-COUNT 1S-COUNT	SP-1 (22") SP-1-SF (12")		
⑥	EX 1-A (10')	EX 82	EX 3S8"	EX MODIFIED SV-1-T						EXTERNAL CONDUIT SEE ②	
⑦	1-A (10')	81 22	3S8" 3S8"	TV-2-T-SF	T T		69 88	1S-COUNT 1S-COUNT	SP-1-SF (12") SP-1 (22")		
⑧	EX 1-A (10')	EX 23	EX 3S8"								

PHASE DIAGRAM



PHASE SEQUENCE

G	Y	R	GUERRERO ST.		
R		G	Y	R	25TH ST.
WM	FRH	RH	PED XING 25TH ST.		
RH		WM	FRH	RH	PED XING GUERRERO ST.

NOTE:
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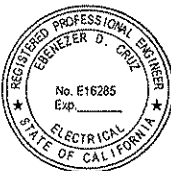
OCTOBER 2005

NO.	DATE	DESCRIPTION	BY	APP.
1	6/1/06	pco1, replace poles 1,3,5,7 with new (+ signals)	gd	bc
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED:	DATE:
TP	10/05
DRAWN:	DATE:
TP	10/05
CHECKED:	DATE:
BC	10/05

APPROVED	
SECTION MANAGER	DATE:
DEPUTY BUREAU MANAGER	DATE:
CITY ENGINEER	DATE:

SCALE:
NONE
SHEET OF SHEETS
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CONTRACT 31	SPECIFICATION NO. 0872J
TRAFFIC SIGNAL MODIFICATIONS	DRAWING NO. E-11.2
25TH ST & GUERRERO ST SCHEDULE	FILE NO. 86,440
	REV. NO. 0

[illegible]

1. GROUNDING WIRES ARE NOT INCLUDED IN THIS WIRING SCHEDULE. FOR REQUIREMENTS, SEE DETAIL

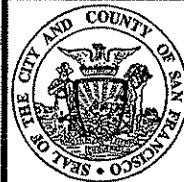


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 Model Units: Feet
 Measurement Units are English
 Xrefs: C:\31.dwg
 V:\0872J Contract 31 Various Locations\BOE Title Block.dwg

TABLE OF REVISIONS

NO.	DATE	DESCRIPTION	BY	APP
		CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION		

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



DESIGNED:	DATE:
TP	10/05
DRAWN:	DATE:
TP	10/05
CHECKED:	DATE:
BC	10/05

APPROVED	
<i>Jawad Alweh</i>	10/13/08
SECTION MANAGER	DATE:
<i>Mh</i>	10/14/08
DEPUTY BUREAU MANAGER	DATE:
<i>Nelson Wong</i>	10/14/08
CITY ENGINEER	DATE:

SCALE:
NONE
SHEET OF SHEETS
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CONTRACT 31
TRAFFIC SIGNAL MODIFICATIONS
25TH ST & GUERRERO ST
SCHEDULE

SPECIFICATION NO.	0872J
DRAWING NO.	E-11.3
FILE NO.	86,441
REV. NO.	0